

Amendments to the Claims:

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1. (Currently Amended) In a packet radio communication system for communicating packet data, an improvement of a mobility manager for facilitating management of a mobility aspect of a mobile station operable in the packet radio communication system, the packet radio communication system having at least a first packet-data-system part and a second packet-data-system part which together form an integrated system of the packet radio communication system, the second packet-data-system part including a first fixed-site transceiver and a second fixed-site transceiver with which the mobile station is selectably connectable by way of a radio link, said mobility manager comprising:

a mapping table coupled between the first packet-data-system part ~~element~~ and the second packet-data-system part ~~element~~, said mapping table for mapping identities of the first and at least second fixed-site transceivers of the first packet-data-system part defined in the first packet-data-system part to corresponding identities defined in the second packet-data-system part.

2. (Original) The mobility manager of claim 1 wherein the first packet-data-system part is operable pursuant to standards defined by a GPRS (General Packet Radio Service) specification, wherein the second packet-data-system part is operable pursuant to standards defined by a WLAN (Wireless Local Area Network) system specification, wherein the first and at least second fixed-site transceivers comprise access points and wherein said mapping table maps identities of the access points defined pursuant to the WLAN system specification to identities defined pursuant to the GPRS specification.

3. (Currently Amended) The mobility manager of claim 2 2 wherein the identities of the access points defined pursuant to the WLAN system specification comprise MAC addresses, wherein the corresponding identities defined pursuant to the GPRS specification define unique cell identities, and wherein said mapping table comprises a static table in which the MAC addresses are indexed together with the unique cell identities.

4. (Currently Amended) The mobility manager of claim 2 2 wherein the packet radio communication system further comprises an Interworking Element (IWE)

coupled to the first and at least second access points and wherein said mapping table is embodied at the IWE.

12 5. (Currently Amended) The mobility manager of claim 21 ~~2~~ wherein each access point defines a coverage area, wherein the mobile station is permitted movement through the coverage areas, and wherein said mobility manager further comprises a mapped-identifier signal generator coupled to said mapping table, said mapped-identifier signal generator for generating a mapped-identifier signal indicating the corresponding identities of selected ones of the first and at least second access points.

6. (Original) The mobility manager of claim 5 wherein the packet radio communication system further comprises an interworking element (IWE) coupled to the first and at least second access points and wherein said mapped-identifier signal generator is embodied at the IWE.

7. (Original) The mobility manager of claim 6 further comprising a cell identifier request generator embodied at the mobile station, said cell identifier request generator for generating a cell identifier request signal, for transmission to the IWE to request said mapped identifier signal generator to generate the mapped-identifier signal responsive thereto.

8. (Original) The mobility manager of claim 7 wherein the mobile station performs WLAN system-defined association procedures to provide the mobile station with indications of an identifier which identifies the access point through which the mobile station communicates and wherein the said cell identifier request signal generator is operable responsive to detection at the mobile station of the indications of the identifier.

9. (Original) The mobility manager of claim 8 wherein the cell identifier request signal generated by said cell-identifier request signal generator comprises indications of an identifier which identifies the mobile station and indications of the identifier which identifies the access point through which the mobile station communicates.

10. (Original) The mobility manager of claim 9 wherein the first and at least second access points are coupled to the IWE by way of an Ethernet which provides for

Ethernet multicast and broadcast service and wherein the cell-identifier request signal is generated pursuant to the Ethernet multicast and broadcast service.

11. (Original) The mobility manager of claim 10 further comprising a converting table embodied at the IWE, indications contained in the cell-identifier request signal, when received at the IWE, stored in the converting table.

12. (Original) The mobility manager of claim 11 wherein the packet radio communication system further comprises a Serving GPRS Service Node (SGSN) coupled to the IWE, and wherein the SGSN is provided with indications of the indications stored in the converting table.

13. (Original) The mobility manager of claim 12 wherein the packet radio communication system is defined in terms of logical layers, wherein the first packet-data-system part is formed of at least one upper-level layer, wherein the second packet-data-system part is formed of at least one lower-level layer, and wherein said mapping table, said mapped-identifier signal generator, said cell-identifier request generator, and said converting table are embodied at an intermediary layer, the intermediary layer positioned between the upper-level layer and the lower-level layer.

14[[,]]. (Original) The mobility manager of claim 13 wherein the upper-level layer comprises a LLC layer defined in the GPRS system, and wherein the SGSN is provided with the indications of the indications stored in the converting table by way of a LLC SDU.

15. (Currently Amended) The mobility manager of claim 21 + wherein the packet radio communication system is defined in terms of logical layers, wherein the first packet-data-system part is formed of at least one upper-level layer, wherein the second packet-data-system part is formed of at least one lower-level layer, and wherein said mapping table is embodied at an intermediary layer, the intermediary layer positioned between the upper-level layer and the lower-level layer.

16. (Currently Amended) In a method for communicating packet data in a radio communication system having a network infrastructure including a first fixed-site transceiver and at least a second fixed-site transceiver with which a mobile station is selectably connectable by way of a radio link, an improvement of a method for

integrating operation of a first packet data system having at least a first packet-data-system element with operation of a second packet data system having at least a second packet-data-system element, thereby to form an integrated system of the packet radio communication system, said method comprising:

mapping identities of the first and at least second fixed-site transceivers defined in the first packet data system to corresponding identities defined in the second packet data system;

relaying packet data between the first ~~first~~ packet-data-system element and a selected one of the first and at least second fixed-site transceivers, the packet data of any selected information-element type of a plurality of element types defined in either of the first packet data system and the second packet data system.

17. (Currently Amended) The method of claim 22 ~~16~~ wherein the first packet-data-system part is operable pursuant to standards defined by a GPRS (General Packet Radio Service) specification, wherein the second packet-data-system part is operable pursuant to standards defined by a WLAN (Wireless Local Area Network ~~Network~~) system specification, wherein the first and at least second fixed-site transceivers comprise access points and wherein said operation of mapping maps between identities of the access points defined pursuant to the WLAN system specification to identities defined pursuant to the GPRS specification.

18. (Original) The method of claim 17 wherein said access point defines a coverage area, wherein the mobile station is permitted movement through the coverage areas, and wherein said method further comprises the operation of generating a mapped-identifier signal indicating the corresponding identities of selected ones of the first and at least second access points.

19. (Original) The method of claim 18 comprising the additional operation, prior to said operation of generating the mapped-identifier signal, of generating a cell identifier request signal at the mobile station, the cell identifier request signal for requesting generation of the mapped-identifier signal responsive thereto.

20. (Original) The method of claim 19 comprising the additional operation of storing indications of the cell-identifier request signal at a converting table.

21. (New) In a packet radio communication system for communicating packet data, an improvement of a mobility manager for facilitating management of a mobility aspect of a mobile station operable in the packet radio communication system, the packet radio communication system having at least a first packet-data-system part and a second packet-data-system part which together form an integrated system of the packet radio communication system, the first packet-data-system part operable pursuant to standards defined by a GPRS (General Packet Radio Service) specification and the second packet-data system part is operable pursuant to standards defined by a WLAN (wireless local area network) system specification, the second packet-data-system part including a first fixed-site transceiver and a second fixed-site transceiver that comprise access points with which the mobile station is selectably connectable by way of a radio link, said mobility manager comprising:

 a mapping table coupled between the first packet-data-system element and the second packet-data-system element, said mapping table for mapping identities of the access points comprising the first and at least second fixed-site transceivers defined pursuant to the WLAN system of the first packet-data-system part defined in the first packet-data-system part to corresponding identities defined pursuant to the GPRS specification by which the second packet-data-system part is operable.

22. (New) In a method for communicating packet data in a radio communication system having a network infrastructure including a first fixed-site transceiver and at least a second fixed-site transceiver with which a mobile station is selectably connectable by way of a radio link, an improvement of a method for integrating operation of a first packet data system having at least a first packet-data-system element with operation of a second packet data system having at least a second packet-data-system element, the first packet-data-system part operable pursuant to standards defined by a GPRS (General Packet Radio Service) specification, and the second packet-data-system operable pursuant to standards defined by a WLAN (wireless local area network) system specification, and the first and at least second fixed-site transceivers comprising access points, thereby to form an integrated system of the packet radio communication system, said method comprising:

A2 mapping identities of the access points comprising the first and at least second fixed-site transceivers defined in the first packet data system to corresponding identities defined in the GPRS specification by which the second packet data system is operable;

relaying packet data between the first packet-data-system element and a selected one of the first and at least second fixed-site transceivers, the packet data of any selected information-element type of a plurality of element types defined in either of the first packet data system and the second packet data system.
